

## July 2006 Update

### Jacobs Smelter Superfund Site Stockton, Utah

(5-Year Review Date-September 30, 2005)

Highlights Since the 2005 Five Year Review

- Site railroad properties, Operable Unit (OU) 3, were deleted from the National Priorities List (NPL) September 30, 2005.

**Brief Site History:** The Jacobs Smelter Superfund Site is located in Tooele County, approximately five miles south of the City of Tooele, Utah. The site is approximately eight square miles and includes the Town of Stockton and Rush Lake. The Utah Department of Environmental Quality (UDEQ) is the lead agency for implementing work at this site and EPA is the supporting agency. Additionally the Bureau of Land Management (BLM) is a partner in addressing contamination concerns on their properties within OU2.

In 1864 silver ore was discovered east of Stockton and within two years small-scale milling and smelting operations began. A total of at least nine smelting/milling operations were operating in the area before the turn of the century, including Jacobs Smelter which was located within the Stockton city limits. Nearly all traces of these operations have vanished and homes have been built on a portion of the former Jacobs Smelter location.

**Cleanup Activities Completed:** The site is divided into three operable units. Twenty six of the most heavily contaminated properties in OU1 were cleaned up under an Emergency Response action in 1999 followed by 126 other properties within the same year. Final cleanup for OU1 was complete in December 2000 and then the site was deleted from the NPL the following year. Cleanup for the railroad property, OU3, was also begun in 1999 when the Union Pacific Railroad agreed with the EPA to place a 16-inch soil cover over their right-of-way. OU3 was deleted in September 2005. The EPA, UDEQ and BLM continue to work together to address other issues pertaining to the cleanup plan prior to completion of the Record of Decision.

In addition to the three operable units, elevated levels of heavy metals were found in the Rawhide Ranchettes Subdivision located within OU2. A Removal Action was performed by the Potentially Responsible Party in November 2001 and followed with confirmation samplings performed by the Division of Emergency and Remedial Response.

**Current Status:** A 5-Year Review for the site was completed by the EPA in September 2005. The Utah Department of Environmental Quality (UDEQ), in cooperation with the EPA, completed a Remedial Investigation, Feasibility Study (RI/FS), and Proposed Plan for the residential and undeveloped areas within OU2 of the Jacobs Smelter Superfund Site in 2004. EPA and the BLM are currently working to address historic preservation,

endangered species and other important issues pertaining to the final cleanup plans for OU2.

**Summary of Protectiveness:** The remedies performed on OU1 and OU3 and the Rawhide Ranchettes subdivision are expected to be protective of human health and the environment. The immediate threats posed by the contamination associated with these operable units have been addressed. The excavation and off-site disposal have effectively eliminated the majority of the risk associated with OU1. The cap, vegetative cover and fence installed on the Stockton Yard provide an adequate barrier to exposure to contaminated soils in OU3. The threats to human health and the environment posed by OU2 have yet to be addressed.

**Issues Impacting Protectiveness:** The Five-Year Review does not indicate any substantive changes to regulations that would affect the remedies performed at this site, nor its protectiveness. There have been no changes in the physical condition of the site that would affect the protectiveness of the remedy.

**Jacobs Smelter Superfund Site  
Five-Year Review Update Table  
(Review Date September 30, 2005)**

Issues	Recommendations/ Follow-up Actions	Follow-up Actions (Status/Due Date)	Status of Follow-up Actions 7/06	Responsible Party
1. Institutional Controls (ICs)	The Stockton Ordinance should be evaluated and rewritten to more accurately reflect post remedial conditions and be more workable and easier to understand.	Meeting with County to discuss a wider IC that would include the town of Stockton has taken place.	Follow-up with Tooele County in the Spring of 2006.	UDEQ
2. Remedial Action for OU2 needed to alleviate lead and arsenic threat.	The Remedial Action for OU2 should be performed to alleviate the threat to human health and environment posed by the remaining lead and arsenic contamination	Historic Preservation Cultural Resource Survey & Endangered Species Assessment is ongoing. BLM working on additional sampling of their property.	Ongoing	EPA  BLM